

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

4. Resales – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

5. Produced and Consumed – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

Line No.	Materials, parts, and supplies (A)		Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) (E)		
				Millions	Thousands	Dollars
			571	574		
1	FLUID POWER PRODUCTS (Hydraulic and pneumatic)	Pumps, motors, and hydrostatic transmissions	359412 4	\$		
2		Cylinders and rotary actuators	359301 9			
3		Filters	356921 7			
4		Hose or tube fittings and assemblies	349261 8			
5		Valves	349271 7			
6	FABRICATED METAL PRODUCTS (Except forgings)	Fabricated structural metal products	344001 3			
7		Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2			
8		Metal stampings	346901 2			
9		Fabricated wire products (including wire rope, cable, springs, link chain, etc.)	349012 5			
10		All other fabricated metal products	340051 2			
11	FORGINGS	Iron and steel	346200 9			
12		Nonferrous	346300 7			
13	CASTINGS (Rough and semi-finished)	Iron and steel	332001 7			
14		Nonferrous	336010 4			

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Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued								
Line No.	Materials, parts, and supplies			Census material code	Consumption of purchased materials and of materials received from other establishments of your company			
					Cost, including delivery cost (freight-in)			
	(A)			571	(E)			
				(B)	574	Millions	Thou-	Dollars
15	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5	\$			
16			Sheet and strip	331022 4				
17			Structural shapes and sheet piling	331023 2				
18			All other	331091 9				
19		Aluminum and aluminum-base alloy	335001 4					
20	Other nonferrous	335091 5						
21	Integral horsepower electric motors and generators (1 hp or more)			362120 8				
22	Ball and roller bearings, mounted and unmounted			356200 6				
23	Speed changers, gears, and industrial high-speed drives			356601 5				
24	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products			285101 2				
25	Cost of all other materials and components, parts, containers, and supplies consumed . . . <i>Describe the principal materials, etc., included in this value.</i>			970099 8				
26	TOTAL Sum of lines 1–25 should equal item 10, line a				\$			

Item 18A. INSTRUCTIONS AND INQUIRY FOR COMPANIES ENGAGED IN INSTALLATION (OR ERECTION) OF PRODUCTS OF THEIR OWN MANUFACTURE

It is preferable that you report the value of shipments for individual products excluding the amounts received for installation and erection. The installation and erection receipts (if any) should be reported in item 18B on line 57. In order to evaluate the reporting for this item, please answer the following questions:

	Key	Mark (X) appropriate boxes		
	591	5512		
1a. Do the value of shipments figures for individual products include the cost of installation or erection of the product?	592	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	3 <input type="checkbox"/> Don't know
b. If "Yes," please estimate the total amount received for installation or erection.	593	1 <input type="checkbox"/> Under \$50,000	3 <input type="checkbox"/> \$500,000–\$999,999	2 <input type="checkbox"/> \$50,000–\$499,999 4 <input type="checkbox"/> \$1 million or more
2. Do the employees of this manufacturing establishment install or erect the products of your company? <i>If "Yes," include these employees in item 2 and their wages in item 3A.</i>	594	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	3 <input type="checkbox"/> Don't know
3. Does a distinct outside labor force (not attached to this manufacturing plant) erect or install the products for your establishment? <i>If "Yes," do not include this labor force in item 2 or their wages in item 3A. Payments made by this establishment for any work done by others should be reported as a cost of contract work in item 10e. The payroll of this outside labor force should be reported by the establishment that maintains the records for them.</i>	595	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	3 <input type="checkbox"/> Don't know

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

5. Detailed Data Reported Elsewhere – Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services <i>*Item corresponds to products reported on Current Industrial Reports</i>		Census product code 581	Products shipped and other receipts				
				Quantity (Number) 583	Value, f.o.b. plant (E)			
					584	Thou-	Dollars	
(A)	(B)	(D)	Millions	sands				
1	Hoists, Excluding Automobile Hoists (Used on tow trucks) (35363) (Report automobile hoists used on tow trucks in product code 3531W61 on line 11)	HAND HOISTS	Chain	35363 01 9		\$		
2			Ratchet lever	35363 02 7				
3			Wire rope pullers	35363 03 5				
4		CHAIN HOISTS (Except hand)	Electric (roller and link)	35363 13 4				
5			Air or other nonelectric	35363 32 4				
6		WIRE ROPE HOISTS (Except hand)	Other hoists, powered by electric motor	35363 14 2				
7			Electric (excluding mine shaft and slope wire rope hoists)	35363 16 7				
8			Air or other nonelectric (excluding mine shaft and slope wire rope hoists)	35363 34 0				
9		Other hoists, not powered by electric motor	35363 38 1					
10		Parts and attachments for hoists (sold separately)	35363 45 6					
11	Automobile hoists (used on tow trucks)	3531W 61 8						
12	Overhead Traveling Cranes and Monorail Systems (35364)	OVERHEAD TRAVELING CRANES (Excluding construction power cranes)	Single top running bridge type	35364 01 7				
13			Double top running bridge type	35364 02 5				
14			Under running bridge type	35364 03 3				
15			Gantry type	35364 04 1				
16			Stacker/storage type	35364 05 8				
17			Other overhead traveling cranes on fixed support	35364 07 4				
18			Other overhead traveling cranes	35364 08 2				
19			Buckets, grabs, and grips	35364 15 7				
20			Other parts and attachments for overhead traveling cranes	35364 16 5				

CONTINUE WITH ITEM 18B ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services <i>*Item corresponds to products reported on Current Industrial Reports</i>		Census product code 581	Products shipped and other receipts			
				Quantity (Number) 583	Value, f.o.b. plant (E)		
					584	Thousands	Dollars
(A)	(B)	(D)	Millions				
21	Overhead Traveling Cranes and Monorail Systems (35364) Continued	Monorail systems (manual and powered)	35364 52 0				
22		Parts and attachments for monorail systems (sold separately)	35364 54 6				
23	PALLETS AND PALLETS CONTAINERS (24480)	Pallets, wood, except skids	24480 62 6				
24		Pallet containers, wood and metal combination and wood	24480 64 2				
25		Skids, wood	24480 65 9				
26		Pallets and skids, wood and metal combination	24480 66 7				
27	Corrugated and solid fiber pallets, pads, and partitions		26530 68 3				
28	Plastics pallets		30894 08 3				
29	Metal pallets and skids (excluding wood and metal combination)		35373 31 5				
30	WINCHES (Including winches for marine use) (Excluding winches for mounting on wheel or crawler tractors)	Electric	3531W 53 5				
31		Other	3531W 55 0				
32	Unit Handling Conveyors and Conveying Systems (Except hoists and farm elevators) (35353)	Gravity conveyors (skate wheel and roller)	35353 09 3				
33		TROLLEY CONVEYORS (Overhead systems)	Light to medium duty	35353 13 5			
34			Heavy duty	35353 14 3			
35		Tow conveyors (under floor systems)	35353 17 6				
36		Light-to-medium-duty unit handling powered conveyors and conveying systems, belt	35353 01 0				
37		Light-to-medium-duty unit handling powered conveyors and conveying systems, roller	35353 02 8				
38		Heavy-duty unit handling powered conveyors and conveying systems, belt	35353 03 6				
39		Heavy-duty unit handling powered conveyors and conveying systems, roller	35353 04 4				
40		Pneumatic tube conveyors	35353 35 8				
41		Portable conveyors (except farm)	35353 37 4				
42		Carrousel	35353 41 6				
43	All other unit handling conveyors and conveying systems, belt	35353 07 7					
44	All other unit handling conveyors and conveying systems, except belt	35353 08 5					
45	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)(35354)		35354 00 0				
46	Mobile straddle carriers and cranes		35373 21 6				
47	HYDRAULIC LIFT TABLES (Electro-hydraulic lift platforms)	Scissors type	35373 28 1				
48		Other types	35373 29 9				
49	Automatic stacking machines		35373 35 6				

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services (A)		Census product code (B)	Products shipped and other receipts		
				Quantity (Number) (D)	Value, f.o.b. plant (E)	
					584 Millions	Thou- sands
50	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. Specify unit of measure for quantity.</i>					
51		18				
52		26				
53		34				
54		42				
55		59				
55		67				
56	CONTRACT WORK	Receipts for work done for others on their own materials. <i>Describe below products worked on and kind of work.</i>	93000 00 8			
57	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8			
58		Receipts for installation or construction	99980 31 0			
59		Receipts for research and developmental work	99980 41 9			
60		Receipts for repair work	99980 61 7			
61		Other miscellaneous receipts	99980 98 9			
62	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6			
63	TOTAL value of shipments and other receipts Sum of lines 1–62, column (E)		77000 00 8		\$	

CONTINUE WITH ITEM 19 ON PAGE 10

Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

- 1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
- 2. Purchases or receipts of the items specified below should be reported only in item 17.
- 3. Materials used to produce the items specified below should be reported in item 17.
- 4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
- 5. Report quantities in the unit of measure specified in column (D).

Line No.	Item (A)	Census code 591 (B)	Was this operation performed at this establishment during 1997?		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment 593 (E)
			(C)			
			Yes	No		
1	Ferrous foundries	1001 7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons	
2	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds
3		Copper	1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
4		Zinc	1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
5		Other	1005 8	1 <input type="checkbox"/>	2 <input type="checkbox"/>	
6	Nonferrous die-casting foundries	1006 6	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
7	Precision turned products (on screw machines, turning centers, and CNC equipment)	1007 4	1 <input type="checkbox"/>	2 <input type="checkbox"/>		

Items 20 and 21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report (<i>Print or type</i>)		Telephone	Area code	Number	Extension	
667	1	2				
Name of company			Address (<i>Number and street, city, State, ZIP Code</i>)			
Period covered	FROM: Month	Day	Year	TO: Month	Day	Year
	666	1		2		
Signature of authorized person			Title		Date	